



3. Utilizing the Read Me 1<sup>st</sup> document Note 4 that was provided by BHI to DOE with the MCACES files/cost models in April 2002 we were able to determine the official WIDS Site Codes (unique Site Numbers) for the following MCACES files.

Note: The official WIDS Site Code is contained within the first characters of the WIDS Site Name.

<u>WIDS SITE CODE</u>	<u>MCACES File</u>	<u>COMMENT</u>
300 RLWS	30 rlwspp.dbf	
UPR-300-5	Upr- -5pp.dbf	
UPR-300-40	Upr- 40pp.dbf	
313 ESSP	31essppp.dbf	
UPR-300-4	Upr- 04pp.dbf	
UPR-300-45	Upr- 45pp.dbf	
340 COMPLEX	340cpxpp.dbf	
UPR-300-10	Upr- 10pp.dbf	
UPR-300-46	Upr- 46pp.dbf	
300 RRLWS	3rrlwspp.dbf	
UPR-300-11	Upr- 11pp.dbf	
UPR-300-48	Upr- 48pp.dbf	
333 ESHWSA	Eshwsapp.dbf	
UPR-300-12	Upr- 12pp.dbf	
Various sites	Site00pp.dbf	Site Closure allowance, see Read Me 1 <sup>st</sup> document Note 6
UPR-300-17	Upr- 17pp.dbf	
UPR-100-N-12	Up1n12pp.dbf	
UPR-300-38	Upr- 38pp.dbf	
UPR-300-1	Upr- -1pp.dbf	
UPR-300-39	Upr- 39pp.dbf	

4. Relative to your question on the scope of the Direct Distributables (DD) as applied to MCACES. The DD scope is described in the FY2002 DWP Vol. 7. An electronic version of Vol. 7 has been sent to Owen Robertson via email on Tuesday, April 9, 2002.

Items # 1, 2, + 4

SITE_NUMBER	CA	NML_HRS	ML_HRS	LABOR COST	MATL EQUIP UNIT COST	SUBCONTRACT COST	TOTAL COST
**11BX1 (NSS-NRS)	PB1210	45,556	10,474	\$ 4,553,067	\$ 114,012	\$ 2,636,644	\$ 7,303,722
**10NSM 100 N AREA SURV. & MAINT.	UB1126	15,381	13,998	\$ 1,937,706	\$ 208,335	\$ 4,237	\$ 2,150,278
**REACTOR ENGINEERING	UB1212	19,254	2,201	\$ 1,703,682	\$ 145,217	\$ 806,101	\$ 2,655,000



PBS#: RL-RC01  
HQ/ERC WBS#: 1.4.03.1.1  
TITLE: 100 Area River Corridor Cleanup

October 1, 2001

100-BC-1 NEAR RIVER SITES  
PB1210  
1.4.03.1.1.02.01.05.01.32.10

COST ACCOUNT PLAN

Items # 1+6

KEY PROJECT TEAM MEMBERS

Task Lead (CAM): J. R. James  
DOE-RL: D. C. Smith  
Project Engineer: M. H. Sturges  
Field Support: J. M. Frank  
QS&H: E. L. Adamson / B. G. Tuttle  
Project Controls: R. M. Draggoo  
PSS Rep: NA  
Lead Regulator: D. A. Faulk

WORK DESCRIPTION (Provide general work description of facility/building.)

General Description:

The cost account covers the work required to perform CERCLA remedial action of the liquid waste sites in the 100-B/C Area. The waste sites include the process effluent pipelines (WIDS sites 100-B-8 and 100-C-6) and associated contaminated soil areas and stockpiles; outfall structures 116-B-7, 132-B-6, and 132-C-2; proximity sites (if encountered) 118-B-2, 100-B-5, and 118-B-7; and those portions of proximity sites (if encountered) 118-B-10 and 132-C-1 that fall within the physical limits of defined pipeline remediation. The work scope includes excavation and waste handling, analytical support, laboratory analysis, cleanup verification evaluations, site backfill, and site revegetation/restoration.

The work scope also includes several tasks for evaluating terrestrial ecological risk and groundwater protection for the 100-B/C area. This work is in support of the CERCLA National Priorities List (NPL) deletion process. Specific tasks are to evaluate the ecological protectiveness of the 116-B-10 site, to evaluate contaminants that are not of concern with respect to human health but are of concern for terrestrial ecological receptors, and to evaluate the impact of residual contamination for multiple sites on groundwater.

*13x1*  
**Nonspecific Site Activities:** Project and construction management will be performed for the remedial actions planned for 100-B/C (100-BC-1 and 100-BC-2 Operable Units). Specific tasks include supervision, baseline management, subcontract management, cost and schedule performance, progress reporting, technical coordination, air monitoring, quality, safety and radcon oversight, design support, regulatory, cultural/ecological support, risk assessment support, and ERC functional group coordination. Also included are non-site-specific materials, equipment, and services.

**Waste Site-Specific Activities:** Waste will be excavated and loaded for transportation to the Environmental Restoration Disposal Facility (ERDF), including contaminated soil, debris, metal, and concrete from waste sites. The work will include excavation and material handling, subcontractor oversight, health physics coverage, health and safety reviews, quality assurance checks, field engineering, field supervision, field change notices, field change requests, and waste shipment. Analytical support will be provided for the excavation, including field screening, field sampling, offsite laboratory analyses, data reduction and evaluation, data validation, GPS surveying, and data reporting. Required cleanup verification documentation will be completed including verification packages, Waste Information Data System (WIDS) updates, and final excavation surveys for the Hanford Geographic Information System (HGIS). The remediated waste site will be backfilled to grade using established borrow areas, followed by site revegetation/restoration.



100-BC-1 NEAR RIVER SITES

**PB1210**

1.4.03.1.1.02.01.05.01.32.10

**Tasks To Be Performed In FY 2002:**

**100-BC Pipelines**

- Continue excavation
- Continue cleanup verification sampling and evaluations.

**Contaminated Soil Areas**

- Continue excavation
- Begin cleanup verification sampling and evaluations.

**Outfall Structure 116-B-7**

- Complete cleanup verification sampling and evaluation
- Backfill and revegetate\restore.

**Outfall Structure 132-B-6**

- Complete cleanup verification sampling and evaluation
- Backfill and revegetate\restore.

**Outfall Structure 132-C-2**

- Complete cleanup verification sampling and evaluation
- Backfill and revegetate\restore.

**Proximity Site 118-B-2**

Begin cleanup verification sampling and evaluations (if site is encountered).

**Asbestos Cement Pipeline Leading to 116-B-12**

Begin cleanup verification sampling and evaluation.

**Vitrified Clay Pipe Leading to 116-B-10**

Begin cleanup verification sampling and evaluation.

**Pit 24 Revegetation**

Revegetation\restoration of portion of Pit 24 that will no longer be disturbed.

**Air Monitoring**

Perform air monitoring.

PBS#: RL-RC01  
HQ/ERC WBS#: 1.4.03.1.1  
TITLE: 100 Area River Corridor Cleanup

## Subproject Strategy

October 1, 2001

100-BC-1 NEAR RIVER SITES

PB1210  
1.4.03.1.1.02.01.05.01.32.10

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

### Deliverables

### Date

No major products or deliverables for FY02.

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

See ERC Project-Wide Assumptions in the DWP Summary (Volume 1) and the Project Assumptions in the RAWD Project Description for assumptions applicable to all cost accounts.

- Up to 2 hectares (5 acres) of Pit 24 will be ready for revegetation in FY02. Only the three outfalls will be ready for revegetation in FY02. The outfalls do not have plumes that result in backfill delays. All other revegetation work will occur in out-years.
- The Hanford Site institutional control plan will not add additional cost.
- The air operating permit will not impact any CERCLA action.
- Waste minimization, pollution prevention, and recycling opportunities will be evaluated as an integral element during waste planning and element generation activities.
- Actual waste site dimensions are as presented in the remedial design report, or 100-B/C pipeline remedial design package. Excavation required to chase unknown waste plumes is not included.
- Remedial actions at 100-NR, 100-KR, 100-FR, and the 300 Area will not impact 100-B/C activities.
- No additional contaminants of potential concern or contaminants of concern (above and beyond those defined in the 100 Area Remedial Action Sampling and Analysis Plan, DOE/RL-96-22, Rev. 3) are identified for this project.
- Contaminants of concern (COCs), sampling frequencies, and laboratory analyses for this project are planned, scheduled, and estimated in accordance with the 100 Area Sampling and Analysis Plan (DOE/RL-96-22, Rev.3) and instruction guide IG-0100X-IG-G001, Rev. 3. Split samples will be made available to the regulators.
- There is a conversion factor of 2.25 metric tons per bank cubic meter and 1.15 loose cubic meters per bank cubic meter.
- Transportation and disposal systems are adequate to ship and dispose of 726 metric tons (800 tons) of waste daily.
- No treatment is required for waste disposal at the ERDF. If treatment is required, additional funding will be required.
- The excavation will not extend beyond the set boundaries, and no additional cultural resource reviews or actions will be required.



**100-BC-1 NEAR RIVER SITES**

**PB1210**

1.4.03.1.1.02.01.05.01.32.10

- There will be no impacts from the B Reactor maintenance activities.
- Plumes above and beyond the base scope defined by the subcontract documents are not included. Excavation, sampling, data evaluation, cultural and ecological reviews, and backfill activities for plumes are not included.
- Pre-disposal treatment of elemental lead excavated from the RAWD remedial action sites is not included.
- The work will be completed under the existing RCIE subcontract.
- Pit #24 has adequate material available for backfill. No new sources of backfill material will be needed.
- The design drawings are accurate based on historical records.
- Only those portions of proximity sites that fall within the physical limits of defined pipeline remediation action will be removed and handled by the subcontractor.
- Concrete and steel volumes are consistent with design drawings.
- This FY02 activity will partially satisfy Tri-Party Agreement Milestone M-16-26E ("Complete Excavation and Removal of 100 B/C Process Effluent Pipelines," by September 30, 2004) and Milestone M-16-26F ("Complete Backfill of 100 B/C Process Effluent Pipeline Excavations," by February 28, 2005).
- Backfill will proceed when DOE and the regulators approve that confirmation samples indicate that remedial action goals are met by signing the backfill concurrence form and/or by signing the cleanup verification package (CVP), whichever comes first.
- Pipeline backfill (excluding outfalls) will occur in one phase at the end of the project (i.e., not in FY02).
- Regulators will provide timely approval of CVPs (25 working-day review time allowed in schedule).
- Recent National Monument Designation does not impact existing remedial action standards or methods.
- Remedial action budgets do not include costs for craft bumping or "lamping" to other site contractors.
- Pipelines will be removed such that the ground is not disturbed within a 7.6-m (25-ft) buffer around the B Reactor.
- An allowance for 10 weather-related nonproduction days per fiscal year is included.
- The Radiological Counting Facility will be available to support the project needs/deliverables as required.
- Up to 2 hectares (5 acres) of Pit 24 will be ready for revegetation in FY02. Only the three outfalls will be ready for revegetation in FY02. The outfalls do not have plumes that result in backfill delays. All other revegetation work will occur in out-years.



PBS#: RL-RC01  
 HQ/ERC WBS#: 1.4.03.1.1  
 TITLE: 100 Area River Corridor Cleanup

## Subproject Strategy

October 1, 2001

100-BC-1 NEAR RIVER SITES

PB1210  
 1.4.03.1.1.02.01.05.01.32.10

### REMEDATION QUANTITIES (Provide quantities in metrics.)

Type of Remediation	FY 2001		
Excavation (metric tons)	52,300		
Building area (m <sup>2</sup> )			
Concrete (m <sup>3</sup> )			
Asbestos (m <sup>3</sup> )			
Transite (m <sup>2</sup> )			
Structural steel (metric tons)			
Samples (each)			
Water treated (L)			
Other (backfill) (BCM)	16,000		

### SUBCONTRACT STRATEGY (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
Remedial action	02	FUP	Perform remedial action activities
Offsite analytical	02	FUP	Offsite laboratory analysis
Offsite CH2M Hill	02	TS	Technical support

### WORK ORDERS (i.e., work to be performed by FH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
FH	02	Miscellaneous sample support/air monitoring

### MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
RA/sampling	02	Miscellaneous sample and RA supplies

### CONSTRUCTION EQUIPMENT REQUIREMENTS & ASSUMPTIONS

Description	Usage Date		Comments/Assumptions
	FY Start	FY Finish	
Miscellaneous remedial action	10/01	09/02	Equipment usage

100-BC-1 NEAR RIVER SITES

PB1210  
1.4.03.1.1.02.01.05.01.32.10

WASTE DISPOSAL (ERDF) QUANTITIES (Provide quantities in metrics.)

Type of Material	FY 2001		
Purgewater			
<b>ERDF - Bulk Waste</b>			
Soils (metric tons)	49,600		
Rubble and concrete under 0.6 m (metric tons)	Included in soils		
<b>ERDF - Special Handling</b>			
Concrete/asphalt (metric tons)	Included in soils		
Steel plate (metric tons)	Included in piping/tube steel		
Piping/tube steel (metric tons)	2,700		
Regulated asbestos-containing materials (m <sup>3</sup> )	Included in soils		
Misc. metal/building debris/structural steel/conduit (metric tons)			
Equipment (pumps, clarifiers, spiders, etc.) (metric tons)			
Other (metric tons)			
<b>PHMC Waste Disposal</b>			
Mixed waste (m <sup>3</sup> )			
PCBs (container)			
RCRA waste (container)			
Nonregulated waste (metric tons)			
<b>200 Effluent Treatment Facility</b>			
ERDF leachate (L)			
Other (L)			
<b>Offsite</b>			
Nonradioactive hazardous (container)			
Recyclable (container)			
Other (container)			



PBS#: RL-RC01  
HQ/ERC WBS#: 1.4.03.1.1  
TITLE: 100 Area River Corridor Cleanup

## Subproject Strategy

October 1, 2001

COMMON REACTOR ENGINEERING

UB1212

1.4.03.1.1.01.06.02.01.42.12

### COST ACCOUNT PLAN

Item #2

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM):	M. A. Mihalic
DOE-RL:	D. C. Smith
Project Engineer:	M. R. Morton
Field Support:	E. A. Prichard
QS&H:	J. C. Plastino
Project Controls:	S. E. Vukelich
PSS Rep:	S. G. Marske
Rad. Con.	J. A. Armstrong
S&H	J. E. Fasso
Industrial Hygiene	S. R. Coleman
Environmental Lead:	R. R. Nielson

"KE", "KW", and "N"  
are similar in scope.

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

##### Interim Safe Storage Common Reactor

- The primary objective for the interim safe storage (ISS) of the D, DR, F, and H Reactors is to place the buildings into safe storage for up to 75 years. The shield walls will serve as safe storage enclosures (SSEs) for the reactor blocks. Loose contamination will be removed (or "fixed") to the greatest extent possible in accessible areas within the shield walls. The remaining structure forming the SSE for each reactor will receive a new roof, lighting, and electrical receptacles in the main stairway and key rooms, and a monitoring system for measuring temperature in above-grade areas and detecting any flooding in the below-grade areas. The final configuration of each weather-tight enclosure will include the shield walls (as the exterior of the building), an entry door for inspection and maintenance use, a remote monitoring system, and a steel roof (with matching panel siding), to ensure an environmentally adequate enclosure for the ISS period. The reactor block confinement will continue to be the original biological and thermal shields.
- In support of the ISS work, a common reactor cost account is required to more effectively support efforts that impact more than one reactor.

##### Tasks To Be Performed In FY 2002:

- Provide data quality assessment (DQA) and RESRAD subcontract support for the D, DR, F, and H Reactors.
- Conduct nearfield air monitoring of the D, DR, F, and H Reactors.
- Procure materials and supplies that will be used on more than one reactor.
- Provide management, supervision, field engineering, project engineering, industrial hygiene, radiological control, waste management, safety, quality and project controls support for ISS that applies across more than one reactor.



PBS#: RL-RC01  
 HQ/ERC WBS#: 1.4.03.1.1  
 TITLE: 100 Area River Corridor Cleanup

## Subproject Strategy

October 1, 2001

COMMON REACTOR ENGINEERING

UB1212  
 1.4.03.1.1.01.06.02.01.42.12

- Review existing seismic analysis for all reactors based on as-built SSE configuration. This will be done concurrently for all reactors and is therefore included in the common account.
- Maintain compliance with and support environmental programs that include multiple reactors. This activity includes the following:
  - Compliance with environmental control plans and removal action work plans
  - Ecological/cultural issues
  - Near-field air monitoring
  - Sampling and analytical services
  - Environmental reporting
  - Waste minimization
  - WIDS update reports.
- Prepare the DWP for FY03.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – Tri-Party Agreement and others.)

Deliverables	Fiscal Year
Conduct as-built seismic evaluations for all reactors	2002
Complete DWP	2002

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

See ERC Project-Wide Assumptions in the DWP Summary (Volume 1) and the Project Assumptions in the D&D Project Description for assumptions applicable to all cost accounts.

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
EQM	02	FUP	DQA and RESRAD support
Duratek	02	FUP	Nearfield air monitoring
Roy Patch	02	FUP	Radiation control support

**WORK ORDERS** (i.e., work to be performed by FH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
FH	02	Nearfield air monitoring support

**Subproject Strategy**

PBS#: RL-RC01  
HQ/ERC WBS#: 1.4.03.1.1  
TITLE: 100 Area River Corridor Cleanup

October 1, 2001

COMMON REACTOR ENGINEERING

UB1212  
1.4.03.1.1.01.06.02.01.42.12

**MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS** (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Miscellaneous material/equipment (e.g., site radios, small tools, etc.)	02	Material that will be used on more than one reactor



PBS#: RL-RC01  
HQ/ERC WBS#: 1.4.03.1.1  
TITLE: 100 Area River Corridor Cleanup

## Subproject Strategy

October 1, 2001

100-N AREA S&M

UB1126

1.4.03.1.1.07.05.02.01.41.26

### COST ACCOUNT PLAN

Item # 4

#### KEY PROJECT TEAM MEMBERS

Task Lead (CAM):	P. J. Woods
DOE-RL:	J. P. Sands
Project Engineer:	R. G. Egge
Field Support:	R. G. Shuck
QS & H:	S. R. Turney
Project Controls:	P. D. Mix
PSS Rep:	I. D. Jacques
Other: Environ/Tech	G. J. Borden
Rad Con	J. C. Wiles

#### WORK DESCRIPTION (Provide general work description of facility/building.)

##### General Description:

The fundamental goal of 100-N Area S&M activities is to ensure that risks to the environment, human health, and safety, from the radiological and hazardous materials inventory of these inactive facilities and sites from past DOE operations, are maintained at safe levels in a timely and cost-effective manner until the facilities and sites can be fully decommissioned. This program includes annual surveillances and routine maintenance actions that are on an as-needed basis.

Annual surveillance of the facilities includes the following:

- Visually assess structural integrity
- Monitor for roof leaks, spills, and animal intrusions
- Maintain external grounds to control or prevent containment spread
- Monitor liquid levels for the C elevator pit and fission product trap sump monthly.

##### Tasks To Be Performed In FY 2002:

##### Surveillance and Maintenance:

- Perform S&M activities.
- Perform facility maintenance (this includes basic maintenance of structures, maintenance of utilities [i.e., relamping], maintenance of such physical security structures as stairs, railings, walkways, doors, and minor repair of confinement).
- Perform routine removal of potentially hazardous substances, as needed.
- Perform routine housekeeping activities. This includes any miscellaneous debris cleanup throughout the outdoor area adjacent to the facility, including contamination areas; housekeeping to reduce or remove biological concerns; eradication of biological pests; removal of small amounts of contamination that may be migrating in the facility; and the isolation of the source of the contamination spread.



100-N AREA S&M

UB1126

1.4.03.1.1.07.05.02.01.41.26

- Perform historic artifact identification/assessment walkthrough of N Reactor in compliance with Historic Buildings Programmatic Agreement.
- Perform minor asbestos spill cleanup and stabilization of deteriorated asbestos problem areas (estimate less than 50 linear feet).
- Monitor C elevator pit and fission product trap (FPT) level instrumentation.
- Perform inspection of sand bags in the fuel storage basin (required every 2 years).

**Preventive Maintenance:**

- Perform equipment calibration, testing, maintenance, and repair on operating equipment.
- Provide cold weather protection.

**Monitoring:**

- Monitor the C elevator pit and FPT liquid level.
- Verify that environmental monitoring is performed by FH.

**MAJOR PRODUCTS AND DELIVERABLES** (Including Readiness Assessment, AHA, Characterization, Demolition, DQO, Milestones – *Tri-Party Agreement* and others.)

Deliverables	Date
• S&M activities	09/30/02

**BASIS/ASSUMPTIONS** (Identify basis for estimate: i.e., MCASES, like facility, non-contaminated, etc. Also include key assumptions and constraints, including any spread of waste handling considerations.)

- Near-field monitoring (air and radiation emission in the air, vegetation, and soil) reporting (for the N Reactor area) to the Department of Health will be performed by FH.
- Near-field monitoring costs are based on an estimate that assumes the administrative and technical support rates will remain unchanged.
- FH is responsible for the site-wide stack sample analysis and annual reporting.
- Pest control will be the responsibility of the Facilities and Office Services group.
- It is assumed that no special conditions will be required for annual calibration of instruments of the C elevator pit and FPT.
- Rain/snowmelt in the Emergency Dump Basin (EDB) basin liner will be left in place for evaporation. No costs are included for pumping and disposal. It is assumed that replacement of the EDB liner is not required, due to degradation. The tarp cover warranty will remain in effect.
- No major repairs to structures or equipment are assumed. No repainting of facilities is required.
- Surveillances will be annual for facilities.

PBS#: RL-RC01  
HQ/ERC WBS#: 1.4.03.1.1  
TITLE: 100 Area River Corridor Cleanup

## Subproject Strategy

October 1, 2001

100-N AREA S&M

UB1126

1.4.03.1.1.07.05.02.01.41.26

- It is assumed that no modifications are required for the C elevator pit and FPT level indicators.
- High radiation areas will not be entered for surveillances.
- The authorization basis category for 100-N for S&M activities will remain radiological.
- No major asbestos abatement is included in this cost account plan (CAP).
- Transuranic and high-level radioactive waste will not be generated or handled as part of routine S&M.
- Waste will be designated based on process knowledge, and no sampling and analysis will be required.
- Fire system maintenance by the FH contractor will no longer be required at the 100-N buildings.
- The 1330-N less-than-90-day pad is not the responsibility of S/M&T.
- No entries into the FPT or C elevator pit will be required.
- The FPT and C elevator pit area will not require any pumping, sampling, or water addition.
- No funding is included for 100-N spring vegetation control. If vegetation control is required, it will be funded by the Groundwater/Vadose Zone (GW/VZ) Integration Project.
- There will be no cost or schedule impacts due to emerging or new requirements because of changes to programs.
- Levels in the C elevator pit and FPT will continue to be tracked as expected by engineering.
- No tours will be required.
- Upon receipt of approved funding, scope, schedule, and resources planned under the additional authorization section will be rebaselined, as required, via an approved FY02 baseline change proposal (BCP).

**SUBCONTRACT STRATEGY** (i.e., office trailer setup, tp&l.) List major subcontracts and scope including fiscal year and type (FP or FUP).

Subcontract	FY	Type of Contract	Scope
Duratek	02	FP	Near-field monitoring



PBS#: RL-RC01  
HQ/ERC WBS#: 1.4.03.1.1  
TITLE: 100 Area River Corridor Cleanup

Subproject Strategy

October 1, 2001

100-N AREA S&M

UB1126  
1.4.03.1.1.07.05.02.01.41.26

WORK ORDERS (i.e., work to be performed by FH or Hanford Utilities Group.) List major work orders including fiscal year.

Company	FY	Scope
FH	02	Near-field monitoring, waste disposal, and RCT support
PNNL	02	Near-field monitoring and waste disposal
FH	02	100 N waste management

MATERIAL/EQUIPMENT/OTHER DIRECT COST REQUIREMENTS (Identify purchase items or other direct costs and assumptions.)

Description	FY	Scope
Miscellaneous material	02	Annual surveillance and maintenance support
Travel	02	Interface with DOE and other regulatory agencies

CONSTRUCTION EQUIPMENT REQUIREMENTS & ASSUMPTIONS

Description	Usage Date		Comments/Assumptions
	FY Start	FY Finish	
Equipment usage (i.e., generator)	10/01	9/02	Surveillance support activities



# 100-B/C Pipeline Estimates To Go

Site No.	Description	FY2003		FY2004		FY2005	
100-BC-48/49	PIPELINES (escalated)	ACT FY2001	FY2002	FY2003	FY2004	FY2005	
	ESCALATION RATES	\$ 1,176,100	\$ 2,357,299	\$ 4,200,142	\$ 3,432,253	\$ 485,527	
	PIPELINES (FY01 DOLLARS)	\$ 1,176,100	\$ 2,297,562	\$ 3,982,200	\$ 3,165,522	\$ 435,598	

11.462%

8.426%

5.473%

2.600%

Item 6.

098386